

1 TATCCGCACCTCCGCTCCACCCGGCGCCTCGGCGCGCCCGCCCTCCGATGCGCTCAGCG  
 1 F-1006 M R S A  
 61 GCCGCAGCTCCTCGGAGTCCCGCGGTGGCCACCGAGTCTCGCCGCTTCGCCGCAGCCAGG  
 5 A A A P R S P A V A T E S R R F A A A R  
 121 TGGCCCCGGGTGGCGCTCGCTCCAGCGGCCGGCGGGAGCGGGCGGGGCGGCGGTGGC  
 25 W P G W R S L Q R P A R R S G R G G G G  
 181 GCGGCCCCGGGACCGTATCCCTCCGCCGCCCTCCCCCGCCCGGCCCGGCCCTCC  
 45 A A P G P Y P S A A P P P P G P G P P P  
 241 TCCCGGCAGAGCTCGCCTCCCTCCGCTCAGACTGTTTTGGTAGCAACGGCAACGGCGGC  
 65 S R Q S S P P S A S D C F G S N G N G G  
 301 GGCGCGTTTCGGCCCCGGCTCCCGCGGCTCCTTGGTCTCGGCGGGCCTCCCCGCCCTTC  
 85 G A F R P G S R R L L G L G G P P R P F R-1002  
 361 GTCGTCGTCCTTCTCCCCCTCGCCAGCCCGGGCGCCCTCCGGCCGCGCCAACCCGCGCC  
 105 V V V L L P L A S P G A P P A A P T R A  
 421 TCCCGCTCGGCGCCCGTGCCTCCCGCCCGGTTCCGGCGTCTCCTTGGCGCGCCCGGCT  
 125 S P L G A R A S P P R S G V S L A R P A  
 481 CCCGCTGTCCCCGCCCGGCGTGCAGCCGGTGTATGGGCCCCCTCACCATGTCGCTGAAG  
 145 P G C P R P A C E P V Y G F-1 P L T M S L K  
 541 CCCCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAACAGCAGCAGCAGCAG  
 165 P Q  
 601 CAGCAGCAGCAGCCGCCCGCCCGGCTGCCAATGTCCGCAAGCCCGGCGGCAGCGGCCTT  
 185 Q Q Q Q P P P A A A N V R K P G G S G L R-2  
 661 CTAGCGTCGCCCCGCCCGCGCCTTCGCCGTCCTCGTCTCCTCGTCTCCTCGGCC  
 205 L A S P A A A P S P S S S S V S S S S A R-1  
 721 ACGGCTCCCTCCTCGGTGGTCCGCGGACCTCCGGCGGCGGGAGGCCCGGCCTGGGCAGA  
 225 T A P S S V V A A T S G G G R P G L G R  
 781 GGTCAAACAGTAACAAAGGACTGCCTCAGTCTACGATTTCTTTTGATGGAATCTATGCA  
 245 G R N S N K G L P Q S T I S F D G I Y A  
 841 AATATGAGGATGGTTTCATATACTTACATCAGTTGTTGGCTCCAAATGTGAAGTACAAGT  
 265 N M R M V H I L T S V V G S K C E V Q V  
 901 AAAAATGGAGGTATATATGAAGGAGTTTTTAAACTTACAGTCCGAAGTGTGATTTGGTA  
 285 K N G G I Y E G V F K T Y S P K C D L V  
 961 CTTGATGCCGCACATGAGAAAAGTACAGAATCCAGTTCGGGGCCGAAACGTGAAGAAATA  
 305 L D A A H E K S T E S S S G P K R E E I  
 1021 ATGGAGAGTATTTTGTTCAAATGTTTCAGACTTTGTTGTGGTACAGTTTAAAGATATGGAC  
 325 M E S I L F K C S D F V V V Q F K D M D  
 1081 TCCAGTTATGCAAAAAGAGATGCTTTTACTGACTCTGCTATCAGTGCTAAAGTGAATGGC  
 345 S S Y A K R D A F T D S A I S A K V N G  
 1141 GAACACAAAAGAGAAGGACCTGGAGCCCTGGGATGCAGGTGAACACAGCCAATGAGGAA  
 365 E H K E K D L E P W D A G E L T A N E E  
 1201 CTTGAGGCTTTGGAAAATGACGTATCTAATGGATGGGATCCCAATGATATGTTTCGATAT  
 385 L E A L E N D V S N G W D P N D M F R Y  
 1261 AATGAAGAAAATTATGGTGTAGTGTCTACGTATGATAGCAGTTTATCTTCGTATACAGTG  
 405 N E E N Y G V V S T Y D S S L S S Y T V

Fig. 1

1321 CCCTTAGAAAGAGATAACTCAGAAGAATTTTAAACGGGAAGCAAGGGCAAACCAGTTA  
425 P L E R D N S E E F L K R E A R A N Q L  
1381 GCAGAAGAAATTGAGTCAAGTGCCAGTACAAAGCTCGAGTGCCCTGGAAAACGATGAT  
445 A E E I E S S A Q Y K A R V A L E N D D  
1441 AGGAGTGAGGAAGAAAAATACACAGCAGTTCAGAGAAATTCCAGTGAACGTGAGGGGCAC  
465 R S E E E K Y T A V Q R N S S E R E G H  
1501 AGCATAAACACTAGGGAAAATAAATATATTCCTCCTGGACAAAGAAATAGAGAAGTCATA  
485 S I N T R E N K Y I P P G Q R N R E V I  
1561 TCCTGGGGAAGTGGGAGACAGAATTCACCGGTATGGGCCAGCCTGGATCGGGCTCCATG  
505 S W G S G R Q N S P R M G Q P G S G S M  
1621 CCATCAAGATCCACTTCTCACACTTCAGATTTCAACCCGAATTCTGGTTTCAGACCAAAGA  
525 P S R S T S H T S D F N P N S G S D Q R  
1681 GTAGTTAATGGAGGTGTTCCCTGGCCATCGCCTTGCCCATCTCCTCCTCGCCACCT  
545 V V N G G V P W P S P C P S P S S R P P  
1741 TCTCGCTACCAGTCAGGTCCCAACTCTCTCCACCTCGGGCAGCCACCCCTACACGGCCG  
565 S R Y Q S G P N S L P P R A A T P T R P  
1801 CCCTCCAGGCCCCCTCGCGCCATCCAGACCCCGTCTCACCCCTCTGCTCATGGTTCT  
585 P S R P P S R P S R P P S H P S A H G S  
1861 CCAGCTCCTGTCTCTACTATGCCTAAACGCATGTCTTCAGAAGGGCCTCCAAGGATGTCC  
605 P A P V S T M P K R M S S E G P P R M S  
1921 CCAAAGGCCCAGCGACATCCTCGAAATCACAGAGTTTCTGCTGGGAGGGGTTCCATATCC  
625 P K A Q R H P R N H R V S A G R G S I S  
1981 AGTGGCCTAGAATTTGTATCCCACAACCCACCCAGTGAAGCAGCTACTCCTCCAGTAGCA  
645 S G L E F V S H N P P S E A A T P P V A  
2041 AGGACCAGTCCCTCGGGGGGAACGTGGTCATCAGTGGTCAGTGGGGTTCCAAGATTATCC  
665 R T S P S G G T W S S V V S G V P R L S  
2101 CCTAAAACTCATAGACCCAGGTCTCCAGACAGAACAGTATTGGAAATACCCCCAGTGGG  
685 P K T H R P R S P R Q N S I G N T P S G  
2161 CCAGTTCTTGCTTCTCCCAAGCTGGTATTATTCCAAGTGAAGCTGTTGCCATGCCTATT  
705 P V L A S P Q A G I I P T E A V A M P I  
2221 CCAGCTGCATCTCCTACGCCTGCTAGTCCCTGCATCGAACAGAGCTGTTACCCCTTCTAGT  
725 P A A S P T P A S P A S N R A V T P S S  
2281 GAGGCTAAAGATTCCAGGCTTCAAGATCAGAGGCAGAACTCTCCTGCAGGGAATAAAGAA  
745 E A K D S R L Q D Q R Q N S P A G N K E  
2341 AATATTAAACCAATGAAACATCACCTAGCTTCTCAAAAGCTGAAAACAAAGGTATATCA  
765 N I K P N E T S P S F S K A E N K G I S  
2401 CCAGTTGTTTCTGAACATAGAAAACAGATTGATGATTTAAAGAAATTTAAGAATGATTTT  
785 P V V S E H R K Q I D D L K K F K N D F  
2461 AGGTTACAGCCAAGTTCTACTTCTGAATCTATGGATCAACTACTAAACAAAAATAGAGAG  
805 R L Q P S S T S E S M D Q L L N K N R E  
2521 GGAGAAAAATCAAGAGATTTGATCAAAGACAAAATTGAACCAAGTGCTAAGGATTCTTTC  
825 G E K S R D L I K D K I E P S A K D S F  
2581 ATTGAAAATAGCAGCAGCAACTGTACCAGTGGCAGCAGCAAGCCGAATAGCCCCAGCATT  
845 I E N S S S N C T S G S S K P N S P S I

Fig. 2

2641 TCCCCTTCAATACTTAGTAACACGGAGCACAAGAGGGGACCTGAGGTCACTTCCCAAGGG  
865 S P S I L S N T E H K R G P E V T S Q G  
2701 GTTCAGACTTCCAGCCCAGCATGTAAACAAGAGAAAGACGATAAGGAAGAGAAGAAAGAC  
885 V Q T S S P A C K Q E K D D K E E K K D  
2761 GCAGCTGAGCAAGTTAGGAAATCAACATTGAATCCCAATGCAAAGGAGTTCAACCCACGT  
905 A A E Q V R K S T L N P N A K E F N P R  
2821 TCCTTCTCTCAGCCAAAGCCTTCTACTACCCCAACTTCACCTCGGCCTCAAGCACAACT  
F-13  
925 S F S Q P K P S T T P T S P R P Q A Q P  
2881 AGCCCATCTATGGTGGGTATCAACAGCCAACTCCAGTTTATACTCAGCCTGTTTGT  
945 S P S M V G H Q Q P T P V Y T Q P V C F  
2941 GCACCAAATATGATGTATCCAGTCCCAGTGAGCCCAGGCGTGCAACCTTTATACCCAATA  
965 A P N M M Y P V P V S P G V Q P L Y P I  
3001 CCTATGACGCCCATGCCAGTGAATCAAGCCAAGACATATAGAGCAGTACCAAATATGCCC  
985 P M T P M P V N Q A K T Y R A V P N M P  
3061 CAACAGCGGCAAGACCAGCATCATCAGAGTGCCATGATGCACCCAGCGTCAGCAGCGGGC  
1005 Q Q R Q D Q H H Q S A M M H P A S A A G  
3121 CCACCGATTGCAGCCACCCACAGCTTACTCCACGCAATATGTTGCCTACAGTCCTCAG  
1025 P P I A A T P P A Y S T Q Y V A Y S P Q  
3181 CAGTTCCCAAATCAGCCCCCTTGTTTCAGCATGTGCCACATTATCAGTCTCAGCATCCTCAT  
1045 Q F P N Q P L V Q H V P H Y Q S Q H P H  
3241 GTCTATAGTCCTGTAATACAGGGTAATGCTAGAATGATGGCACCACCAACACACGCCCAG  
1065 V Y S P V I Q G N A R M M A P P T H A Q  
3301 CCTGGTTTATGATCTTCTTCAGCAACTCAGTACGGGGCTCATGAGCAGACGCATGCGATG  
1085 P G L V S S S A T Q Y G A H E Q T H A M  
3361 TATGCATGTCCCAAATTACCATAACAAGGAGACAAGCCCTTCTTTTACTTTGCCATT  
1105 Y A C P K L P Y N K E T S P S F Y F A I  
3421 TCCACGGGCTCCCTTGCTCAGCAGTATGCGCACCCCTAACGCTACCCTGCACCCACATACT  
1125 S T G S L A Q Q Y A H P N A T L H P H T  
3481 CCACACCCTCAGCCTTCAGTTACCCCCACTGGACAGCAGCAAAGCCAACATGGTGGAAGT  
1145 P H P Q P S A T P T G Q Q Q S Q H G G S  
3541 CATCCTGCACCCAGTCCTGTTTCAGCACCATCAGCACCAGGCCGCCAGGCTCTCCATCTG  
1165 H P A P S P V Q H H Q H Q A A Q A L H L  
3601 GCCAGTCCACAGCAGCAGTCAGCCATTTACCACGCGGGGCTTGCGCCAACTCCACCCTCC  
1185 A S P Q Q Q S A I Y H A G L A P T P P S  
3661 ATGACACCTGCCTCCAACACGCAGTCGCCACAGAATAGTTTCCCAGCAGCACAACAGACT  
1205 M T P A S N T Q S P Q N S F P A A Q Q T  
3721 GTCTTTACGATCCATCCTTCTCAGTTTCAGCCGGCGTATACCAACCCACCCACATGGCC  
1225 V F T I H P S H V Q P A Y T N P P H M A  
3781 CACGTACCTCAGGCTCATGTACAGTCAGGAATGGTTTCTTCTCATCCAAGTGGCCATGCG  
1245 H V P Q A H V Q S G M V P S H P T A H A  
3841 CCAATGATGCTAATGACGACACAGCCACCCGCGGTCCCCAGGCCGCCCTCGCTCAAAGT  
1265 P M M L M T T Q P P G G P Q A A L A Q S  
3901 GCACTACAGCCCATTCCAGTCTCGACAACAGCGCATTTCCCTTATATGACGCACCCCTTCA  
1285 A L Q P I P V S T T A H F P Y M T H P S  
3961 GTACAAGCCCACCACCAACAGCAGTTGTAAGGCTGCCCTGGAGGAACCGAAAGGCCAAAT  
1305 V Q A H H Q Q Q L \*

Fig. 3

4021 TCCCTCCTCCCTTCTACTGCTTCTACCAACTGGAAGCACAGAAAAGCTAGAATTTTCATTTA  
 4081 TTTTGTTTTTAAAATATATATGTTGATTTCTTGTAACATCCAATAGGAATGCTAACAGTT  
 4141 CACTTGCAAGTGAAGATACTTGGACCGAGTAGAGGCATTTAGGAAGCTGGGGGCTATTCC  
 4201 ATAATTCCATATGCTGTTTCAGAGTCCCGCAGGTACCCAGCTCTGCTTGCCGAACTGG  
 4261 AAGTTATTTATTTTTTAATAACCCTTGAAAGTCATGAACACATCAGCTAGCAAAAGAAGT  
 4321 AACAAAGAGTGATTCTTGCTGCTATTACTGCT (A)<sub>n</sub>

Fig. 4

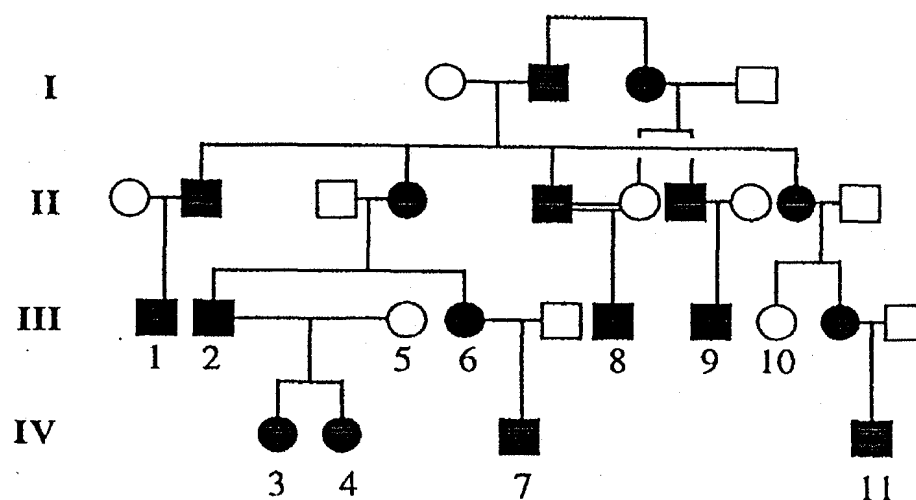


Fig. 5

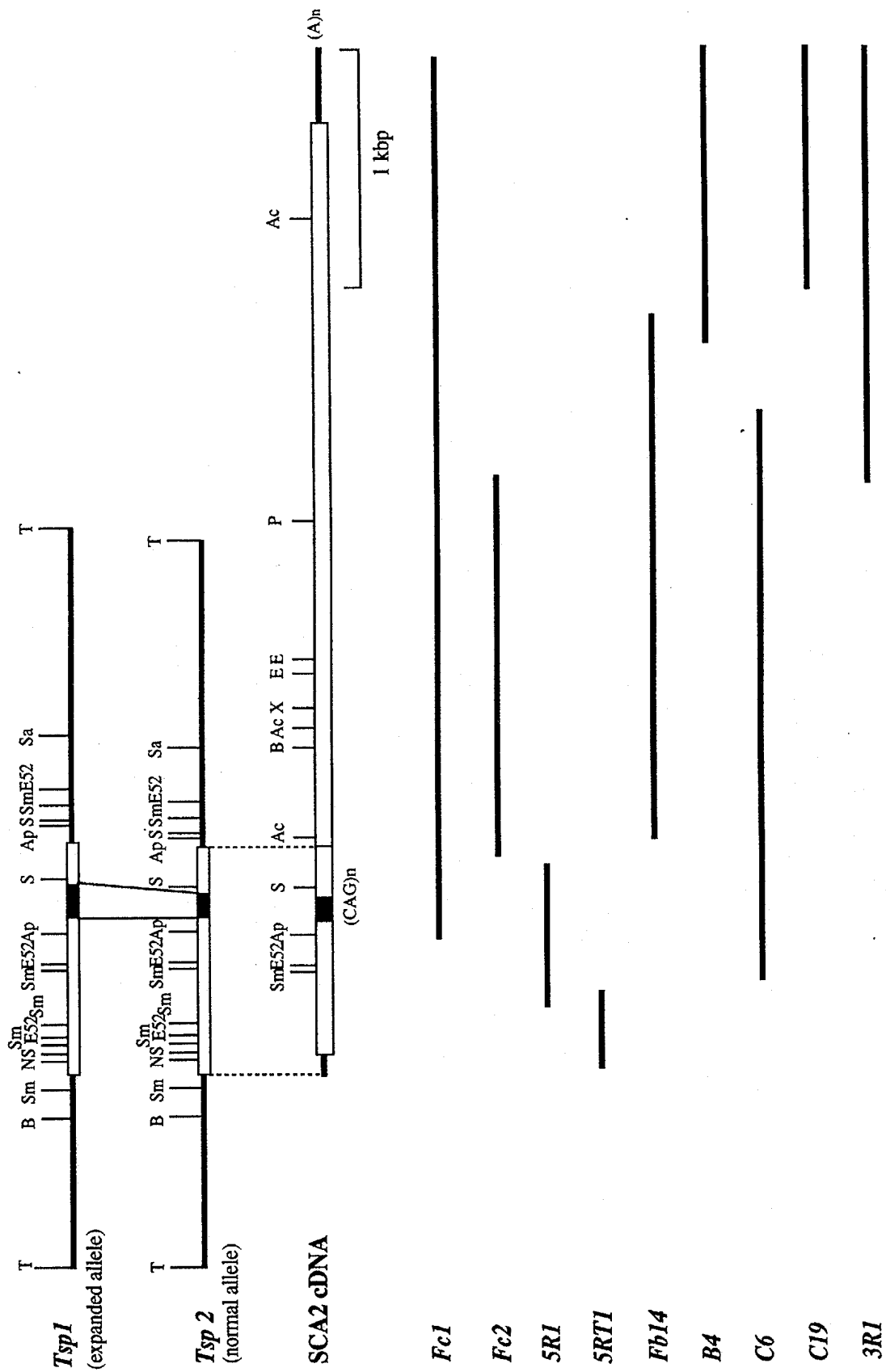


Fig. 6

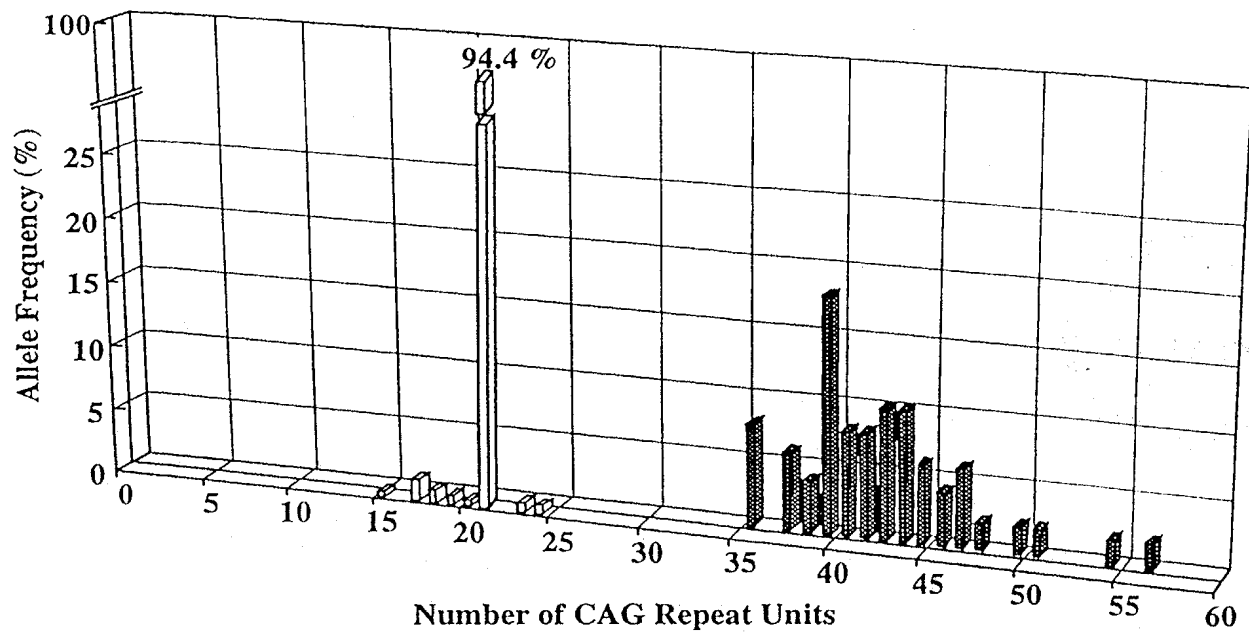


Fig. 7